


```

; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-27

Query Match      78.4%; Score 902; DB 1; Length 205;
Best Local Similarity 84.3%; Pred. No. 3.5e-12;
Matches 172; Conservative 11; Mismatches 21; Indels 0; Gaps 0;

Qy 1 MGKGDPPKPTGKMSSYAFFVQTCREEHKKHPDASVNFSEFSKCSERWKTMSAKEGKF 60
Db 1 MDKADPKLKGEMLSYAFFVQTCREEHKKKPNPDASVSEFLKKCSETWKTIFAKEGKF 60

Qy 61 EDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRLPSAFFLFCSEYRPKIKGEHPGL 120
Db 61 EDMAKADKAHYEREMKTYIPPKGEKKKFKDPNAPKRPPLAFFLFCSEYRPKIKGEHPGL 120

Qy 121 SIGDVAKKLGEWNNNTAADDQOPYEKKAAKLEKEYEKDIAAYRAKGPDAAKKGWVKAEK 180
Db 121 SIDDVVKKLAGWNNNTAADDQFYEKKAALKKEYKKDIAAYRAKGPNSAKRVRKAEK 180

Qy 181 SKKKKEEEDDEDEDEDEE 204
Db 181 SKKKKEEEDDEDEEENEDDD 204

RESULT 4
US-10-718-495-26
; Sequence 26, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-26

Query Match      76.0%; Score 875; DB 1; Length 188;
Best Local Similarity 89.4%; Pred. No. 1.2e-11;
Matches 168; Conservative 3; Mismatches 17; Indels 0; Gaps 0;

Qy 1 MGKGDPPKPTGKMSSYAFFVQTCREEHKKHPDASVNFSEFSKCSERWKTMSAKEGKF 60
Db 1 MGKGDPPKPRGKMSSYAFFVQTCREECKKHPDASVNFSEFSKCSERWKAWSAKDKGKF 60

Qy 61 EDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRLPSAFFLFCSEYRPKIKGEHPGL 120
Db 61 EDMAKVDKDRYEREMKTYIPPKGETKKKFFEDSNAPKRPSPAFFLFCSEYCPKIKGEHPGL 120

Qy 121 SIGDVAKKLGEWNNNTAADDQOPYEKKAAKLEKEYEKDIAAYRAKGPDAAKKGWVKAEK 180
Db 121 PISDVAKKLGEWNNNTFADDKQLECKKAAKLEKEYKKDTATYRAKGPDAAKKGWVKAEK 180

Qy 181 SKKKKEE 188
Db 181 SKKKKEE 188

```

```

RESULT 5
US-10-718-495-28
; Sequence 28, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-28

Query Match      31.4%; Score 361; DB 1; Length 80;
Best Local Similarity 83.8%; Pred. No. 0.25;
Matches 67; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

Qy 1 MGKGDPPKPTGKMSSYAFFVQTCREEHKKHPDASVNFSEFSKCSERWKTMSAKEGKF 60
Db 1 MGKGDPPKPRGKMSSCAFFVQTCWEEHKKQYPDASINFSEFSQKCPETWKTITAKEGKF 60

Qy 61 EDMAKADKARYEREMKTYIP 80
Db 61 EDMPKADKAHYEREMKTYIP 80

RESULT 6
US-10-718-495-30
; Sequence 30, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-30

Query Match      30.4%; Score 350; DB 1; Length 86;
Best Local Similarity 80.2%; Pred. No. 0.41;
Matches 69; Conservative 3; Mismatches 14; Indels 0; Gaps 0;

Qy 1 MGKGDPPKPTGKMSSYAFFVQTCREEHKKHPDASVNFSEFSKCSERWKTMSAKEGKF 60
Db 1 MGKGDPPKPRGKMSSYAFFVQTAQEEHKKQLDASVSFSEFSKNCSESWKTMSYKEGKF 60

Qy 61 EDMAKADKARYEREMKTYIPPKGETK 86
Db 61 EDMAKADKACVEREMKIYPYLKGRQK 86

RESULT 7
US-10-718-495-29
; Sequence 29, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.

```



```
; Sequence 46, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-46

Query Match      21.6%; Score 249; DB 1; Length 54;
Best Local Similarity 88.7%; Pred. No. 8;
Matches 47; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 32 PDASVNFSEFKKCSERKWTMSAKEKGKFDMAKADKARYEREMKTYIPPKGE 84
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1 PDASVKFSEFLKCCSETWKTIFAKEKGKFDMAKADKARYEREMKTYIPPKGE 53

Search completed: April 26, 2006, 13:12:18
Job time : 0.0833333 secs

                                GenCore version 5.1.7
                                Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on:      April 26, 2006, 13:12:17 ; Search time 0.001 Seconds
              (without alignments)
              281.896 Million cell updates/sec

Title:
Perfect score: 1131
Sequence: 1 MGKGDPPKPRGKWSYAFFV.....EDEDEDEDEDEDDDDDE 211

Scoring table: BLOSUM62
              Gapop 10.0 , Gapext 0.5

Searched:    12 seqs, 1336 residues

Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 12 summaries

Database :    US10718495.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result      Query      *
No.    Score    Match    Length    DB    ID    Description
-----
1      1131    100.0    211    1    US-10-718-495-25    Sequence 25, Appl
2      1045    92.4     216    1    US-10-718-495-24    Sequence 24, Appl
3      884     78.2    205    1    US-10-718-495-27    Sequence 27, Appl
4      862     76.2    188    1    US-10-718-495-26    Sequence 26, Appl
```

```
5 359 31.7 80 1 US-10-718-495-28    Sequence 28, Appl
6 345 30.5 86 1 US-10-718-495-30    Sequence 30, Appl
7 324 28.6 80 1 US-10-718-495-29    Sequence 29, Appl
8 289 25.6 54 1 US-10-718-495-44    Sequence 44, Appl
9 263 23.3 54 1 US-10-718-495-43    Sequence 43, Appl
10 250 22.1 54 1 US-10-718-495-45    Sequence 45, Appl
11 247 21.8 54 1 US-10-718-495-47    Sequence 47, Appl
12 238 21.0 54 1 US-10-718-495-46    Sequence 46, Appl

ALIGNMENTS

RESULT 1
US-10-718-495-25
; Sequence 25, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-25

Query Match      100.0%; Score 1131; DB 1; Length 211;
Best Local Similarity 100.0%; Pred. No. 1e-13;
Matches 211; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGKGDPPKPRGKWSYAFFVQTCREHHKKHSDASVNFSEFSNKCSEKWTMSAKEKGKF 60
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1 MGKGDPPKPRGKWSYAFFVQTCREHHKKHSDASVNFSEFSNKCSEKWTMSAKEKGKF 60

Qy 61 EDMAKADKTHYERQMKTYIIPKGETKKKFDPNAPKPPSAFFLFCSEYHPKIKGEHPGL 120
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 61 EDMAKADKTHYERQMKTYIIPKGETKKKFDPNAPKPPSAFFLFCSEYHPKIKGEHPGL 120

Qy 121 SIGDVAKKLGEMMNTAADDKQPCCKAALKEKYEKDIAAYQAKGKPEAAKGVVKAEX 180
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 121 SIGDVAKKLGEMMNTAADDKQPCCKAALKEKYEKDIAAYQAKGKPEAAKGVVKAEX 180

Qy 181 SKKKKEEEDDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 211
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 181 SKKKKEEEDDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 211

RESULT 2
US-10-718-495-24
; Sequence 24, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-24
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Query Match      92.4%; Score 1045; DB 1; Length 216;
Best Local Similarity 92.1%; Pred. No. 2.6e-12;
Matches 198; Conservative 5; Mismatches 8; Indels 4; Gaps 1;

Qy 1 MGKGDPPKPRGKMSYAFFVQTCREHHKKHSDASVNFSEFSNKCSEHWKMTMSAKGKF 60
Db 1 MGKGDPPKPRGKMSYAFFVQTCREHHKKHSDASVNFSEFSNKCSEHWKMTMSAKGKF 60

Qy 61 EDMAKADKTHYEROMKTYIPPKGETKKKFDPNAPKPPSAFFLFCSEYHPKIKGHPGL 120
Db 61 EDMAKADKTHYEROMKTYIPPKGETKKKFDPNAPKPPSAFFLFCSEYHPKIKGHPGL 120

Qy 121 SIGDVAKLGEWMNNTAADKQPEKKAALKKEKYEKIDIAAYQAKGPEAAKKGKGVVKA 180
Db 121 SIGDVAKLGEWMNNTAADKQPEKKAALKKEKYEKIDIAAYQAKGPEAAKKGKGVVKA 180

Qy 181 SKKKKEEEDDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 211
Db 181 SKKKKEEEDDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 215

RESULT 3
US-10-718-495-27
; Sequence 27, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-27

Query Match      78.2%; Score 884; DB 1; Length 205;
Best Local Similarity 81.5%; Pred. No. 1.1e-09;
Matches 167; Conservative 14; Mismatches 24; Indels 0; Gaps 0;

Qy 1 MGKGDPPKPRGKMSYAFFVQTCREHHKKHSDASVNFSEFSNKCSEHWKMTMSAKGKF 60
Db 1 MDKADPKKJRGEMLSYAFFVQTCQEBHKKKNPDASVKFSEFLKKCSSETWTKTIIFAKGKF 60

Qy 61 EDMAKADKTHYEROMKTYIPPKGETKKKFDPNAPKPPSAFFLFCSEYHPKIKGHPGL 120
Db 61 EDMAKADKTHYEROMKTYIPPKGETKKKFDPNAPKPPSAFFLFCSEYHPKIKGHPGL 120

Qy 121 SIGDVAKLGEWMNNTAADKQPEKKAALKKEKYEKIDIAAYQAKGPEAAKKGKGVVKA 180
Db 121 SIDDVVKLAGWMNNTAADKQPEKKAALKKEKYEKIDIAAYQAKGPEAAKKGKGVVKA 180

Qy 181 SKKKKEEEDDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 205
Db 181 SKKKKEEEDDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDEDE 205

RESULT 4
US-10-718-495-26
; Sequence 26, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495
; CURRENT FILING DATE: 2003-11-12

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; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-26

Query Match      76.2%; Score 862; DB 1; Length 188;
Best Local Similarity 87.2%; Pred. No. 2.6e-09;
Matches 164; Conservative 6; Mismatches 18; Indels 0; Gaps 0;

Qy 1 MGKGDPPKPRGKMSYAFFVQTCREHHKKHSDASVNFSEFSNKCSEHWKMTMSAKGKF 60
Db 1 MGKGDPPKPRGKMSYAFFVQTCREHHKKHSDASVNFSEFSNKCSEHWKMTMSAKGKF 60

Qy 61 EDMAKADKTHYEROMKTYIPPKGETKKKFDPNAPKPPSAFFLFCSEYHPKIKGHPGL 120
Db 61 EDMAKADKTHYEROMKTYIPPKGETKKKFDPNAPKPPSAFFLFCSEYHPKIKGHPGL 120

Qy 121 SIGDVAKLGEWMNNTAADKQPEKKAALKKEKYEKIDIAAYQAKGPEAAKKGKGVVKA 180
Db 121 PISDVAKLVEMNNTFADDKQCEKKAALKKEKYEKIDIAAYQAKGPEAAKKGKGVVKA 180

Qy 181 SKKKKEE 188
Db 181 SKKKKEE 188

RESULT 5
US-10-718-495-28
; Sequence 28, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-28

Query Match      31.7%; Score 359; DB 1; Length 80;
Best Local Similarity 82.5%; Pred. No. 0.46;
Matches 66; Conservative 4; Mismatches 10; Indels 0; Gaps 0;

Qy 1 MGKGDPPKPRGKMSYAFFVQTCREHHKKHSDASVNFSEFSNKCSEHWKMTMSAKGKF 60
Db 1 MGKGDPPKPRGKMSYAFFVQTCREHHKKHSDASVNFSEFSNKCSEHWKMTMSAKGKF 60

Qy 61 EDMAKADKTHYEROMKTYIP 80
Db 61 EDMPKADKAHYEREMKTYIP 80

RESULT 6
US-10-718-495-30
; Sequence 30, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495

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; Sequence 47, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-47

Query Match      21.8%; Score 247; DB 1; Length 54;
Best Local Similarity 84.9%; Pred. No. 7.9;
Matches 45; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 33 DASVNFSESNKCSRWKTSAAKEKGKFDMAKADKTHYEROMKTYIPPKGET 85
Db 2 DASVNFSESNKCSRWKTSAAKEKGKFDMAKADKTHYEROMKTYIPPKGET 54

RESULT 12
US-10-718-495-46
; Sequence 46, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-46

Query Match      21.0%; Score 238; DB 1; Length 54;
Best Local Similarity 84.8%; Pred. No. 8;
Matches 44; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 33 DASVNFSESNKCSRWKTSAAKEKGKFDMAKADKTHYEROMKTYIPPKGE 84
Db 2 DASVNFSESNKCSRWKTSAAKEKGKFDMAKADKTHYEROMKTYIPPKGE 53

Search completed: April 26, 2006, 13:12:18
Job time : 0.0833333 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 26, 2006, 13:12:17 ; Search time 0.001 Seconds
(without alignments)
251.168 Million cell updates/sec

Title: US-10-718-495-26
Perfect score: 1008
Sequence: 1 MGKGDPPKPRGMSSYAFV.....DAAKGVVKAESKKKKEE 188

```

```

; Sequence 47, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-47

Query Match      21.8%; Score 247; DB 1; Length 54;
Best Local Similarity 84.9%; Pred. No. 7.9;
Matches 45; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 33 DASVNFSESNKCSRWKTSAAKKGKFDMAKADKTHYEROMKTYIPPKGET 85
Db 2 DASVNFSESNKCSRWKTSAAKKGKFDMAKADKTHYEROMKTYIPPKGET 54

RESULT 12
US-10-718-495-46
; Sequence 46, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-46

Query Match      21.0%; Score 238; DB 1; Length 54;
Best Local Similarity 84.8%; Pred. No. 8;
Matches 44; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 33 DASVNFSESNKCSRWKTSAAKKGKFDMAKADKTHYEROMKTYIPPKGE 84
Db 2 DASVNFSESNKCSRWKTSAAKKGKFDMAKADKTHYEROMKTYIPPKGE 53

Search completed: April 26, 2006, 13:12:18
Job time : 0.0833333 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on:      April 26, 2006, 13:12:17 ; Search time 0.001 Seconds
              (without alignments)
              251.168 Million cell updates/sec

Title:      US-10-718-495-26
Perfect score: 1008
Sequence:    1 MGKGDPPKPRGMSSYAFV.....DAAKGVVKAESKKKKEE 188

```



```
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-28

Query Match      33.5%; Score 338; DB 1; Length 80;
Best Local Similarity 78.8%; Pred. No. 1.1;
Matches 63; Conservative 5; Mismatches 12; Indels 0; Gaps 0;

Qy 1 MGKDPKPKRGKMSYAFFVOTCRECKKKHPPDASVNFSEFSKCSERWKAMSADKKGKF 60
Db 1 MGKDPKPKRGKMSYAFFVOTCRECKKKHPPDASVNFSEFSKCSERWKAMSADKKGKF 60
Qy 61 EDMAKVDKDRYEREMKTYIP 80
Db 61 EDMKADKAHYEREMKTYIP 80

RESULT 6
US-10-718-495-29
; Sequence 29, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-29

Query Match      32.5%; Score 328; DB 1; Length 80;
Best Local Similarity 80.0%; Pred. No. 1.5;
Matches 64; Conservative 3; Mismatches 13; Indels 0; Gaps 0;

Qy 8 KPRGKMSYAFFVOTCRECKKKHPPDASVNFSEFSKCSERWKAMSADKKGKFEDMAKVD 67
Db 1 KQRGKMSYVFCVOTCEERKKHPPDASVNFSEFSKCSERWKAMSADKKGKFEDMAKVD 60
Qy 68 KDRYEREMKTYIPPKGETK 87
Db 61 KARYEREMKTYIPPKGETK 80

RESULT 7
US-10-718-495-30
; Sequence 30, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-30
```

```
Query Match      32.4%; Score 327; DB 1; Length 86;
Best Local Similarity 75.6%; Pred. No. 1.6;
Matches 65; Conservative 4; Mismatches 17; Indels 0; Gaps 0;

Qy 1 MGKDPKPKRGKMSYAFFVOTCRECKKKHPPDASVNFSEFSKCSERWKAMSADKKGKF 60
Db 1 MGKDRPKQPRGKMSYAFFVOTAEHKKQLDASVSFSFSKNCSEKRWKTSVKKEGKF 60
Qy 61 EDMAKVDKDRYEREMKTYIPPKGETK 86
Db 61 EDMAKADKACYEREMKTYIPYLKGRQK 86

RESULT 8
US-10-718-495-45
; Sequence 45, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-45

Query Match      27.2%; Score 274; DB 1; Length 54;
Best Local Similarity 96.3%; Pred. No. 5.9;
Matches 52; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 32 PDASVNFSEFSKCSERWKAMSADKKGKFEDMAKVDKDRYEREMKTYIPPKGET 85
Db 1 PDASVNFSEFSKCSERWKAMSADKKGKFEDMAKVDKADYEREMKTYIPPKGET 54

RESULT 9
US-10-718-495-43
; Sequence 43, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-43

Query Match      26.7%; Score 269; DB 1; Length 54;
Best Local Similarity 92.6%; Pred. No. 6.4;
Matches 50; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 32 PDASVNFSEFSKCSERWKAMSADKKGKFEDMAKVDKDRYEREMKTYIPPKGET 85
Db 1 PDASVNFSEFSKCSERWKTSKAKEKGFEDMAKADKARYEREMKTYIPPKGET 54

RESULT 10
US-10-718-495-44
```

```

; ORGANISM: Homo sapiens
US-10-718-495-26

Query Match      22.9%; Score 231; DB 1; Length 54;
Best Local Similarity 81.1%; Pred. No. 8;
Matches 43; Conservative 2; Mismatches 8; Indels 0; Gaps 0;

QY 32 PDASVNFSEFSKCSERWKAMSAKDKGKEDMAKVDKDRYEREMKTYIPPKGE 84
||||| ||||| ||||| : ||: ||||| ||||| ||||| ||||| |||||
DB 1 PDASVKFSEFLKKCSSTWKTIFAKEKGKPEDMAKADKAHYEREMKTYIPPKGE 53

Search completed: April 26, 2006, 13:12:18
Job time : 0.0833333 secs

GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 26, 2006, 13:12:17 ; Search time 0.001 Seconds
(without alignments)
273.880 Million cell updates/sec

Title: US-10-718-495-27
Perfect score: 1086
Sequence: 1 MDKADPKLKGEMLSYAFV.....EEEEDEEDQEENEEDDDK 205

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 12 seqs, 1336 residues

Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 12 summaries

Database : US10718495.pep.*

pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result      Query      %
No.    Score Match Length DB ID Description
-----
1 1086 100.0 205 1 US-10-718-495-27 Sequence 27, Appl
2 902 83.1 216 1 US-10-718-495-24 Sequence 24, Appl
3 884 81.4 211 1 US-10-718-495-25 Sequence 25, Appl
4 777 71.5 188 1 US-10-718-495-26 Sequence 26, Appl
5 335 30.8 80 1 US-10-718-495-28 Sequence 28, Appl
6 313 28.8 86 1 US-10-718-495-30 Sequence 30, Appl
7 297 27.3 80 1 US-10-718-495-29 Sequence 29, Appl
8 290 26.7 54 1 US-10-718-495-46 Sequence 46, Appl
9 253 23.3 54 1 US-10-718-495-47 Sequence 47, Appl
10 249 22.9 54 1 US-10-718-495-43 Sequence 43, Appl
11 238 21.9 54 1 US-10-718-495-44 Sequence 44, Appl
12 236 21.7 54 1 US-10-718-495-45 Sequence 45, Appl

ALIGNMENTS

RESULT 1
US-10-718-495-27

```

```

; Sequence 27, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-27

Query Match      100.0%; Score 1086; DB 1; Length 205;
Best Local Similarity 100.0%; Pred. No. 5.9e-12;
Matches 205; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDKADPKLGRGMLSYAFFVQTCQEEHKKKNDASVKFSEFLKCCSETWKTIFAKEKGKF 60
Db 1 MDKADPKLGRGMLSYAFFVQTCQEEHKKKNDASVKFSEFLKCCSETWKTIFAKEKGKF 60

QY 61 EDMAKADKAHYEREMKTYIPPKGKKKFDNAPKRPPLAFLFCSEYRPKIKGHPGL 120
Db 61 EDMAKADKAHYEREMKTYIPPKGKKKFDNAPKRPPLAFLFCSEYRPKIKGHPGL 120

QY 121 SIDDVVKLAGMNNNTAAADKQFYEKKAALKKEKYKDDIAAYRAKGPNSAKRNVVKA 180
Db 121 SIDDVVKLAGMNNNTAAADKQFYEKKAALKKEKYKDDIAAYRAKGPNSAKRNVVKA 180

QY 181 SKKKKEEEDDEDEQEEENEEDDDK 205
Db 181 SKKKKEEEDDEDEQEEENEEDDDK 205

RESULT 2
US-10-718-495-24
; Sequence 24, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-24

Query Match      83.1%; Score 902; DB 1; Length 216;
Best Local Similarity 84.3%; Pred. No. 3.5e-09;
Matches 172; Conservative 11; Mismatches 21; Indels 0; Gaps 0;

QY 1 MDKADPKLGRGMLSYAFFVQTCQEEHKKKNDASVKFSEFLKCCSETWKTIFAKEKGKF 60
Db 1 MGKGDPPKPTGMSSYAFFVQTCREHKKKHPDASVNFSEFSKCCSERWKTWSAKEKGKF 60

QY 61 EDMAKADKAHYEREMKTYIPPKGKKKFDNAPKRPPLAFLFCSEYRPKIKGHPGL 120
Db 61 EDMAKADKAHYEREMKTYIPPKGKKKFDNAPKRPPLAFLFCSEYRPKIKGHPGL 120

QY 121 SIDDVVKLAGMNNNTAAADKQFYEKKAALKKEKYKDDIAAYRAKGPNSAKRNVVKA 180
Db 121 SIDDVVKLAGMNNNTAAADKQFYEKKAALKKEKYKDDIAAYRAKGPNSAKRNVVKA 180

; Sequence 25, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-25

Query Match      81.4%; Score 884; DB 1; Length 211;
Best Local Similarity 81.5%; Pred. No. 6.6e-09;
Matches 167; Conservative 14; Mismatches 24; Indels 0; Gaps 0;

QY 1 MDKADPKLGRGMLSYAFFVQTCQEEHKKKNDASVKFSEFLKCCSETWKTIFAKEKGKF 60
Db 1 MGKGDPPKPTGMSSYAFFVQTCREHKKKHPDASVNFSEFSKCCSERWKTWSAKEKGKF 60

QY 61 EDMAKADKAHYEREMKTYIPPKGKKKFDNAPKRPPLAFLFCSEYRPKIKGHPGL 120
Db 61 EDMAKADKAHYEREMKTYIPPKGKKKFDNAPKRPPLAFLFCSEYRPKIKGHPGL 120

QY 121 SIDDVVKLAGMNNNTAAADKQFYEKKAALKKEKYKDDIAAYRAKGPNSAKRNVVKA 180
Db 121 SIDDVVKLAGMNNNTAAADKQFYEKKAALKKEKYKDDIAAYRAKGPNSAKRNVVKA 180

; Sequence 26, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-26

Query Match      71.5%; Score 777; DB 1; Length 188;
Best Local Similarity 79.8%; Pred. No. 2.7e-07;
Matches 150; Conservative 8; Mismatches 30; Indels 0; Gaps 0;

QY 1 MDKADPKLGRGMLSYAFFVQTCQEEHKKKNDASVKFSEFLKCCSETWKTIFAKEKGKF 60

```



```
; Sequence 47, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-47

Query Match      23.3%; Score 253; DB 1; Length 54;
Best Local Similarity 86.8%; Pred. No. 7.5;
Matches 46; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 32 PDASVKFSEFLKCKSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 84
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 PDASVNFSEFSKQCPETWKTITIAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 53

RESULT 10
US-10-718-495-43
; Sequence 43, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-43

Query Match      22.9%; Score 249; DB 1; Length 54;
Best Local Similarity 88.7%; Pred. No. 7.7;
Matches 47; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 32 PDASVKFSEFLKCKSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 84
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 PDASVNFSEFSKCKSERWKTMSAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 53

RESULT 11
US-10-718-495-44
; Sequence 44, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-44

Query Match      21.9%; Score 238; DB 1; Length 54;
Best Local Similarity 84.8%; Pred. No. 7.9;
Matches 44; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 33 DASVKFSEFLKCKSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 84
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 2 DASVNFSEFSNCKSERWKTMSAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 53

RESULT 12
US-10-718-495-45
; Sequence 45, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-45

Query Match      21.7%; Score 236; DB 1; Length 54;
Best Local Similarity 83.0%; Pred. No. 7.9;
Matches 44; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

Qy 32 PDASVKFSEFLKCKSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 84
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 PDASVNFSEFSKCKSERWKTMSAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 53

Search completed: April 26, 2006, 13:12:18
Job time : 0.0833333 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: April 26, 2006, 13:12:17 ; Search time 0.001 Seconds
(without alignments)
106.880 Million cell updates/sec

Title: US-10-718-495-28
Perfect score: 448
Sequence: 1 MGKGDPPKPRGKWSCAFFV.....EDMPKADKAHYEREMKTYIP 80

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 12 seqs, 1336 residues

Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 12 summaries

Database : US10718495.pgp:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	448	100.0	80	1	US-10-718-495-28	Sequence 28, Appl
2	361	80.6	216	1	US-10-718-495-24	Sequence 24, Appl
3	359	80.1	211	1	US-10-718-495-25	Sequence 25, Appl
4	338	75.4	188	1	US-10-718-495-26	Sequence 26, Appl
5	335	74.8	205	1	US-10-718-495-27	Sequence 27, Appl
6	300	67.0	86	1	US-10-718-495-30	Sequence 30, Appl
7	260	58.0	54	1	US-10-718-495-47	Sequence 47, Appl
8	256	57.1	80	1	US-10-718-495-29	Sequence 29, Appl
9	225	50.2	54	1	US-10-718-495-46	Sequence 46, Appl
10	221	49.3	54	1	US-10-718-495-43	Sequence 43, Appl
11	214	47.8	54	1	US-10-718-495-44	Sequence 44, Appl
12	208	46.4	54	1	US-10-718-495-45	Sequence 45, Appl

ALIGNMENTS

RESULT 1
 US-10-718-495-28
 ; Sequence 28, Application US/10718495
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Keefe, Theresa L.
 ; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
 ; FILE REFERENCE: 3258.1009-001
 ; CURRENT FILING DATE: 2003-11-12
 ; PRIOR APPLICATION NUMBER: 60/427,841
 ; NUMBER OF SEQ ID NOS: 58
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 28
 ; LENGTH: 80
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-718-495-28

Query Match 100.0%; Score 448; DB 1; Length 80;
 Best Local Similarity 100.0%; Pred. No. 0.23; Mismatches 0; Indels 0; Gaps 0;
 Matches 80; Conservative 0;
 Qy 1 MGKGDPPKPRGMSSCAFFVQTCWEHKKQYPDASINFSEFSQKCPETWKTITIAKEKGKF 60
 Db 1 MGKGDPPKPRGMSSCAFFVQTCWEHKKQYPDASINFSEFSQKCPETWKTITIAKEKGKF 60
 Qy 61 EDMPKADKAHYEREMKTYIP 80
 Db 61 EDMPKADKAHYEREMKTYIP 80

RESULT 2
 US-10-718-495-24
 ; Sequence 24, Application US/10718495
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Keefe, Theresa L.
 ; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
 ; FILE REFERENCE: 3258.1009-001
 ; CURRENT FILING DATE: 2003-11-12
 ; PRIOR APPLICATION NUMBER: 60/427,841
 ; NUMBER OF SEQ ID NOS: 58
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 26
 ; LENGTH: 189
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-718-495-26

; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 24
 ; LENGTH: 216
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-718-495-24

Query Match 80.6%; Score 361; DB 1; Length 216;
 Best Local Similarity 83.8%; Pred. No. 1.5; Mismatches 4; Indels 0; Gaps 0;
 Matches 67; Conservative 4;

Qy 1 MGKGDPPKPRGMSSCAFFVQTCWEHKKQYPDASINFSEFSQKCPETWKTITIAKEKGKF 60
 Db 1 MGKGDPPKPRGMSSCAFFVQTCWEHKKQYPDASINFSEFSQKCPETWKTITIAKEKGKF 60
 Qy 61 EDMPKADKAHYEREMKTYIP 80
 Db 61 EDMPKADKAHYEREMKTYIP 80

RESULT 3
 US-10-718-495-25
 ; Sequence 25, Application US/10718495
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Keefe, Theresa L.
 ; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
 ; FILE REFERENCE: 3258.1009-001
 ; CURRENT FILING DATE: 2003-11-12
 ; PRIOR APPLICATION NUMBER: 60/427,841
 ; NUMBER OF SEQ ID NOS: 58
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 25
 ; LENGTH: 211
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-718-495-25

Query Match 80.1%; Score 359; DB 1; Length 211;
 Best Local Similarity 82.5%; Pred. No. 1.6; Mismatches 4; Indels 0; Gaps 0;
 Matches 66; Conservative 4;
 Qy 1 MGKGDPPKPRGMSSCAFFVQTCWEHKKQYPDASINFSEFSQKCPETWKTITIAKEKGKF 60
 Db 1 MGKGDPPKPRGMSSCAFFVQTCWEHKKQYPDASINFSEFSQKCPETWKTITIAKEKGKF 60
 Qy 61 EDMPKADKAHYEREMKTYIP 80
 Db 61 EDMPKADKAHYEREMKTYIP 80

RESULT 4
 US-10-718-495-26
 ; Sequence 26, Application US/10718495
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Keefe, Theresa L.
 ; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
 ; FILE REFERENCE: 3258.1009-001
 ; CURRENT FILING DATE: 2003-11-12
 ; PRIOR APPLICATION NUMBER: 60/427,841
 ; NUMBER OF SEQ ID NOS: 58
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 26
 ; LENGTH: 189
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-718-495-26

```

Query Match      75.4%; Score 338; DB 1; Length 188;
Best Local Similarity 78.8%; Pred. No. 2.4;
Matches 63; Conservative 5; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGKDPKPKRGKMSCAFFVQTCWEHKKQYDPDASINFSFQKCPETWKTITAKEKGKF 60
Db 1 MGKDPKPKRGKMSYAFFVQTCRECKKHGHPDASVNFSEFSKCKSERWKMSAKDKGKF 60

QY 61 EDMPKADKAHYEREMKTYIP 80
Db 61 EDMAKVDKDRYEREMKTYIP 80

RESULT 5
US-10-718-495-27
; Sequence 27, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-27

Query Match      74.8%; Score 335; DB 1; Length 205;
Best Local Similarity 78.8%; Pred. No. 2.6;
Matches 63; Conservative 4; Mismatches 13; Indels 0; Gaps 0;

QY 1 MGKDPKPKRGKMSCAFFVQTCWEHKKQYDPDASINFSFQKCPETWKTITAKEKGKF 60
Db 1 MDKADPKKLRGEMLSYAFFVQTCQEHKKNPDSVSEFLKCKSETWKTITAKEKGKF 60

QY 61 EDMPKADKAHYEREMKTYIP 80
Db 61 EDMAKADKAHYEREMKTYIP 80

RESULT 6
US-10-718-495-30
; Sequence 30, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-30

Query Match      67.0%; Score 300; DB 1; Length 86;
Best Local Similarity 74.4%; Pred. No. 5;
Matches 58; Conservative 5; Mismatches 15; Indels 0; Gaps 0;

QY 1 MGKDPKPKRGKMSCAFFVQTCWEHKKQYDPDASINFSFQKCPETWKTITAKEKGKF 60
Db 1 MGRDPPKQPRGRKMSYAFFVQTAQEHHKKQLDASVSFSEFSKNCSERWKTMVSKGKGF 60

```

```

QY 61 EDMPKADKAHYEREMKTY 78
Db 61 EDMAKADKACYEREMKTY 78

```

```

RESULT 7
US-10-718-495-47
; Sequence 47, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-47

```

```

Query Match      58.0%; Score 260; DB 1; Length 54;
Best Local Similarity 98.0%; Pred. No. 8.8;
Matches 48; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY 32 PDASINFSFQKCPETWKTITAKEKGKPEDMPKADKAHYEREMKTYIP 80
Db 1 PDASINFSFQKCPETWKTITAKEKGKPEDMAKADKAHYEREMKTYIP 49

```

```

RESULT 8
US-10-718-495-29
; Sequence 29, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-29

```

```

Query Match      57.1%; Score 256; DB 1; Length 80;
Best Local Similarity 69.9%; Pred. No. 9.1;
Matches 51; Conservative 6; Mismatches 16; Indels 0; Gaps 0;

```

```

QY 8 KPRGKMSCAFFVQTCWEHKKQYDPDASINFSFQKCPETWKTITAKEKGKPEDMPKAD 67
Db 1 KQRGKMPSYVFCVQTCPEERKKKHDPDASVNFSEFSKCLVRGKTSKKEKGQPEANRAD 60

QY 68 KAHYEREMKTYIP 80
Db 61 KARYEREMKTYIP 73

```

```

RESULT 9
US-10-718-495-46
; Sequence 46, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.

```


and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	425	100.0	80	1	US-10-718-495-29	Sequence 29, Appl
2	343	80.7	216	1	US-10-718-495-24	Sequence 24, Appl
3	328	77.2	188	1	US-10-718-495-26	Sequence 26, Appl
4	324	76.2	211	1	US-10-718-495-25	Sequence 25, Appl
5	297	69.9	205	1	US-10-718-495-27	Sequence 27, Appl
6	256	60.2	80	1	US-10-718-495-28	Sequence 28, Appl
7	248	58.4	86	1	US-10-718-495-30	Sequence 30, Appl
8	246	57.9	54	1	US-10-718-495-43	Sequence 43, Appl
9	227	53.4	54	1	US-10-718-495-45	Sequence 45, Appl
10	222	52.2	54	1	US-10-718-495-44	Sequence 44, Appl
11	217	51.1	54	1	US-10-718-495-47	Sequence 47, Appl
12	208	48.9	54	1	US-10-718-495-46	Sequence 46, Appl

ALIGNMENTS

RESULT 1
 US-10-718-495-29
 ; Sequence 29, Application US/10718495
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Keefe, Theresa L.
 ; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
 ; FILE REFERENCE: 3258.1009-001
 ; CURRENT APPLICATION NUMBER: US/10718,495
 ; CURRENT FILING DATE: 2003-11-12
 ; PRIOR APPLICATION NUMBER: 60/427,841
 ; PRIOR FILING DATE: 2002-11-20
 ; NUMBER OF SEQ ID NOS: 58
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 29
 ; LENGTH: 80
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-718-495-29

Query Match 100.0%; Score 425; DB 1; Length 80;
 Best Local Similarity 100.0%; Pred. No. 0.34; Indels 0; Gaps 0;
 Matches 80; Conservative 0; Mismatches 0

Qy 1 KQKGKMPSYVFCVQTCPEERKKKHPDASVNFSEFSKKCLVRGKTMSSAKKQGFEMARAD 60
 |||||
 Db 1 KQKGKMPSYVFCVQTCPEERKKKHPDASVNFSEFSKKCLVRGKTMSSAKKQGFEMARAD 60
 |||||
 Qy 61 KARYEREMKTYIPPKGETKK 80
 |||||
 Db 61 KARYEREMKTYIPPKGETKK 80
 |||||

RESULT 2
 US-10-718-495-24
 ; Sequence 24, Application US/10718495
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Keefe, Theresa L.
 ; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
 ; FILE REFERENCE: 3258.1009-001
 ; CURRENT APPLICATION NUMBER: US/10718,495
 ; CURRENT FILING DATE: 2003-11-12
 ; PRIOR APPLICATION NUMBER: 60/427,841
 ; PRIOR FILING DATE: 2002-11-20
 ; NUMBER OF SEQ ID NOS: 58
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 24
 ; LENGTH: 216

; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-718-495-24

Query Match 80.7%; Score 343; DB 1; Length 216;
 Best Local Similarity 83.8%; Pred. No. 2.1;
 Matches 67; Conservative 2; Mismatches 11; Indels 0; Gaps 0;

Qy 1 KQKGKMPSYVFCVQTCPEERKKKHPDASVNFSEFSKKCLVRGKTMSSAKKQGFEMARAD 60
 |||||
 Db 8 KPTGKSSSYVAFVQTCREBHKKKHPDASVNFSEFSKKCSERWKMSAKKQGFEDMAKAD 67
 |||||
 Qy 61 KARYEREMKTYIPPKGETKK 80
 |||||
 Db 68 KARYEREMKTYIPPKGETKK 87
 |||||

RESULT 3
 US-10-718-495-26
 ; Sequence 26, Application US/10718495
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Keefe, Theresa L.
 ; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
 ; FILE REFERENCE: 3258.1009-001
 ; CURRENT APPLICATION NUMBER: US/10718,495
 ; CURRENT FILING DATE: 2003-11-12
 ; PRIOR APPLICATION NUMBER: 60/427,841
 ; PRIOR FILING DATE: 2002-11-20
 ; NUMBER OF SEQ ID NOS: 58
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 26
 ; LENGTH: 188
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-718-495-26

Query Match 77.2%; Score 328; DB 1; Length 188;
 Best Local Similarity 80.0%; Pred. No. 2.8;
 Matches 64; Conservative 3; Mismatches 13; Indels 0; Gaps 0;

Qy 1 KQKGKMPSYVFCVQTCPEERKKKHPDASVNFSEFSKKCLVRGKTMSSAKKQGFEMARAD 60
 |||||
 Db 8 KPRGKMSSYVAFVQTCREBCKKKKHPDASVNFSEFSKKCSERWKMSAKKQGFEDMAKVD 67
 |||||
 Qy 61 KARYEREMKTYIPPKGETKK 80
 |||||
 Db 68 KORYEREMKTYIPPKGETKK 87
 |||||

RESULT 4
 US-10-718-495-25
 ; Sequence 25, Application US/10718495
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Keefe, Theresa L.
 ; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
 ; FILE REFERENCE: 3258.1009-001
 ; CURRENT APPLICATION NUMBER: US/10718,495
 ; CURRENT FILING DATE: 2003-11-12
 ; PRIOR APPLICATION NUMBER: 60/427,841
 ; PRIOR FILING DATE: 2002-11-20
 ; NUMBER OF SEQ ID NOS: 58
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 25
 ; LENGTH: 211
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-718-495-25

Query Match 76.2%; Score 324; DB 1; Length 211;
 Best Local Similarity 78.8%; Pred. No. 3;
 Matches 63; Conservative 3; Mismatches 14; Indels 0; Gaps 0;


```
Result      Query      Match Length DB ID      Description
-----
1      455 100.0      86 1 US-10-718-495-30      Sequence 30, Appl
2      350 76.9      216 1 US-10-718-495-24      Sequence 24, Appl
3      345 75.8      211 1 US-10-718-495-25      Sequence 25, Appl
4      327 71.9      188 1 US-10-718-495-26      Sequence 26, Appl
5      313 68.8      205 1 US-10-718-495-27      Sequence 27, Appl
6      300 65.9      80 1 US-10-718-495-28      Sequence 28, Appl
7      248 54.5      80 1 US-10-718-495-29      Sequence 29, Appl
8      215 47.3      54 1 US-10-718-495-43      Sequence 43, Appl
9      203 44.6      54 1 US-10-718-495-44      Sequence 44, Appl
10     203 44.6      54 1 US-10-718-495-45      Sequence 45, Appl
11     193 42.4      54 1 US-10-718-495-46      Sequence 46, Appl
12     187 41.1      54 1 US-10-718-495-47      Sequence 47, Appl

RESULT 1
US-10-718-495-30
; Sequence 30, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-30

Query Match      100.0%; Score 455; DB 1; Length 86;
Best Local Similarity 100.0%; Pred. No. 0.31;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60
Db      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60

Qy      61 EDMAKADKACVEREMKIYPYLKGRQK 86
Db      61 EDMAKADKACVEREMKIYPYLKGRQK 86

RESULT 2
US-10-718-495-24
; Sequence 24, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-24

Query Match      100.0%; Score 455; DB 1; Length 86;
Best Local Similarity 100.0%; Pred. No. 0.31;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60
Db      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60

Qy      61 EDMAKADKACVEREMKIYPYLKGRQK 86
Db      61 EDMAKADKACVEREMKIYPYLKGRQK 86

RESULT 3
US-10-718-495-25
; Sequence 25, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-25

Query Match      75.8%; Score 345; DB 1; Length 211;
Best Local Similarity 77.9%; Pred. No. 2.2;
Matches 67; Conservative 4; Mismatches 15; Indels 0; Gaps 0;

Qy      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60
Db      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60

Qy      61 EDMAKADKACVEREMKIYPYLKGRQK 86
Db      61 EDMAKADKACVEREMKIYPYLKGRQK 86

RESULT 4
US-10-718-495-26
; Sequence 26, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-26

Query Match      71.9%; Score 327; DB 1; Length 188;
Best Local Similarity 75.6%; Pred. No. 3;
Matches 65; Conservative 4; Mismatches 17; Indels 0; Gaps 0;

Qy      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60
Db      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60
```

```
Query Match      76.9%; Score 350; DB 1; Length 216;
Best Local Similarity 80.2%; Pred. No. 2;
Matches 69; Conservative 3; Mismatches 14; Indels 0; Gaps 0;

Qy      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60
Db      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60

Qy      61 EDMAKADKACVEREMKIYPYLKGRQK 86
Db      61 EDMAKADKACVEREMKIYPYLKGRQK 86

RESULT 3
US-10-718-495-25
; Sequence 25, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-25

Query Match      75.8%; Score 345; DB 1; Length 211;
Best Local Similarity 77.9%; Pred. No. 2.2;
Matches 67; Conservative 4; Mismatches 15; Indels 0; Gaps 0;

Qy      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60
Db      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60

Qy      61 EDMAKADKACVEREMKIYPYLKGRQK 86
Db      61 EDMAKADKACVEREMKIYPYLKGRQK 86

RESULT 4
US-10-718-495-26
; Sequence 26, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-26

Query Match      71.9%; Score 327; DB 1; Length 188;
Best Local Similarity 75.6%; Pred. No. 3;
Matches 65; Conservative 4; Mismatches 17; Indels 0; Gaps 0;

Qy      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60
Db      1 MGKRDPKQPRGKMSSYAFFVQTAEHKKQLDASVSFSESKNCSEKRWKTSVKEKGKF 60
```

```
Db 1 MGKDPKPKRGKMSYAFFVQTCRECKKKHDPDASVNFSEFSKCSERWKMSAKDKGKF 60
Qy 61 EDMAKADKACYEREMKIYPYLKGROK 86
Db 61 EDMAKVDKDRYEREMKTIYPKGETK 86

RESULT 5
US-10-718-495-27
; Sequence 27, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-27

Query Match 68.8%; Score 313; DB 1; Length 205;
Best Local Similarity 73.3%; Pred. No. 3.7; Mismatches 4; Indels 0; Gaps 0;
Matches 63; Conservative 4;

Qy 1 MGKDPKPKRGKMSYAFFVQTCRECKKKHDPDASVNFSEFSKCSERWKMTMSVKEKGKF 60
Db 1 MDKADPKKLGEMLSYAFFVQTCRECKKKHDPDASVNFSEFSKCSERWKMTTIKAKGKF 60

Qy 61 EDMAKADKACYEREMKIYPYLKGROK 86
Db 61 EDMAKADKAHYEREMKTIYPKGEKK 86

RESULT 6
US-10-718-495-28
; Sequence 28, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-28

Query Match 65.9%; Score 300; DB 1; Length 80;
Best Local Similarity 74.4%; Pred. No. 4.5; Mismatches 5; Indels 0; Gaps 0;
Matches 58; Conservative 5;

Qy 1 MGKDPKPKRGKMSYAFFVQTCRECKKKHDPDASVNFSEFSKCSERWKMTMSVKEKGKF 60
Db 1 MGKDPKPKRGKMSYAFFVQTCRECKKKHDPDASVNFSEFSKCSERWKMTTIKAKGKF 60

Qy 61 EDMAKADKACYEREMKIYPYLKGROK 86
Db 61 EDMAPKADKAHYEREMKTIYPKGEKK 78
```

```
RESULT 7
US-10-718-495-29
; Sequence 29, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-29

Query Match 54.5%; Score 248; DB 1; Length 80;
Best Local Similarity 68.8%; Pred. No. 8.5; Mismatches 3; Indels 0; Gaps 0;
Matches 53; Conservative 3;

Qy 10 RGMSSYAFFVQTCRECKKKHDPDASVNFSEFSKCSERWKMTMSVKEKGKFEDMAKADKA 69
Db 3 RGMPSYVFCVQTCPEKCKKHDPDASVNFSEFSKCSERWKMTMSVKEKGKFEDMAKADKA 62

Qy 70 CYEREMKIYPYLKGROK 86
Db 63 RYEREMKTIYPKGETK 79

RESULT 8
US-10-718-495-43
; Sequence 43, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-43

Query Match 47.3%; Score 215; DB 1; Length 54;
Best Local Similarity 84.3%; Pred. No. 11; Mismatches 1; Indels 0; Gaps 0;
Matches 43; Conservative 1;

Qy 33 DASVSEFSKCSERWKMTMSVKEKGKFEDMAKADKACYEREMKIYPYLKG 83
Db 2 DASVSEFSKCSERWKMTMSVKEKGKFEDMAKADKACYEREMKTIYPK 52

RESULT 9
US-10-718-495-44
; Sequence 44, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
```

```

; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-44

Query Match      44.6%; Score 203; DB 1; Length 54;
Best Local Similarity 78.4%; Pred. No. 11;
Matches 40; Conservative 2; Mismatches 9; Indels 0; Gaps 0;

QY 33 DASVSFSEFKNCSEKRWKTSVKEKGKGFEDMAKADKACYEREMKIYPYLKG 83
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 2 DASVNFSEFKNCSEKRWKTSVKEKGKGFEDMAKADKTHYEROMKTYIPPKG 52

RESULT 10
US-10-718-495-45
; Sequence 45, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-45

Query Match      44.6%; Score 203; DB 1; Length 54;
Best Local Similarity 78.4%; Pred. No. 11;
Matches 40; Conservative 2; Mismatches 9; Indels 0; Gaps 0;

QY 33 DASVSFSEFKNCSEKRWKTSVKEKGKGFEDMAKADKACYEREMKIYPYLKG 83
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 2 DASVNFSEFKNCSEKRWKTSVKEKGKGFEDMAKADKADYEREMKIYPYPKG 52

RESULT 11
US-10-718-495-46
; Sequence 46, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-46

Query Match      42.4%; Score 193; DB 1; Length 54;
Best Local Similarity 73.6%; Pred. No. 12;
Matches 39; Conservative 2; Mismatches 12; Indels 0; Gaps 0;

QY 33 DASVSFSEFKNCSEKRWKTSVKEKGKGFEDMAKADKACYEREMKIYPYLKGR 85
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

```

```

Db 2 DASVKFSEFLKCKCSETKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGEK 54

RESULT 12
US-10-718-495-47
; Sequence 47, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-47

Query Match      41.1%; Score 187; DB 1; Length 54;
Best Local Similarity 72.5%; Pred. No. 12;
Matches 37; Conservative 3; Mismatches 11; Indels 0; Gaps 0;

QY 33 DASVSFSEFKNCSEKRWKTSVKEKGKGFEDMAKADKACYEREMKIYPYLKG 83
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 2 DASINFSEFKCKCPETWKTITAKEKGKGFEDMAKADKAHYEREMKTYIPPKG 52

Search completed: April 26, 2006, 13:12:19
Job time : 0.0833333 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on:      April 26, 2006, 13:12:17 ; Search time 0.001 Seconds
              (without alignments)
              72.144 Million cell updates/sec

Title:      US-10-718-495-43
Perfect score: 287
Sequence:    1 PDASVNFSEFKCKCSEKRWKT.....ADKARYEREMKTYIPPKGET 54

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched:    12 seqs, 1336 residues

Total number of hits satisfying chosen parameters:    12

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 12 summaries

Database :    US10718495.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result      Query
No.      Score Match Length DB ID      Description

```



```

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-44

Query Match      100.0%; Score 289; DB 1; Length 54;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SDASVNFSEFSNKCSEKRWKTSKSAKEKGFEDMAKADKTHYEROMKTYIPPKGET 54
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 1 SDASVNFSEFSNKCSEKRWKTSKSAKEKGFEDMAKADKTHYEROMKTYIPPKGET 54

RESULT 2
US-10-718-495-25
; Sequence 25, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-25

Query Match      100.0%; Score 289; DB 1; Length 211;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 SDASVNFSEFSNKCSEKRWKTSKSAKEKGFEDMAKADKTHYEROMKTYIPPKGET 54
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 32 SDASVNFSEFSNKCSEKRWKTSKSAKEKGFEDMAKADKTHYEROMKTYIPPKGET 85

RESULT 3
US-10-718-495-43
; Sequence 43, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-43

Query Match      91.0%; Score 263; DB 1; Length 54;
Best Local Similarity 92.5%; Pred. No. 1.9;
Matches 49; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 2 DASVNFSEFSNKCSEKRWKTSKSAKEKGFEDMAKADKTHYEROMKTYIPPKGET 54
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 2 DASVNFSEFSNKCSEKRWKTSKSAKEKGFEDMAKADKARYEREMKTYIPPKGET 54

;

```

```

RESULT 4
US-10-718-495-24
; Sequence 24, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-24

```

```

Query Match      91.0%; Score 263; DB 1; Length 216;
Best Local Similarity 92.5%; Pred. No. 1.9;
Matches 49; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 2 DASVNFSEFSNKCSEKRWKTSKSAKEKGFEDMAKADKTHYEROMKTYIPPKGET 54
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 33 DASVNFSEFSNKCSEKRWKTSKSAKEKGFEDMAKADKARYEREMKTYIPPKGET 85

```

```

RESULT 5
US-10-718-495-45
; Sequence 45, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-45

```

```

Query Match      86.5%; Score 250; DB 1; Length 54;
Best Local Similarity 86.8%; Pred. No. 3;
Matches 46; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 2 DASVNFSEFSNKCSEKRWKTSKSAKEKGFEDMAKADKTHYEROMKTYIPPKGET 54
    ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 2 DASVNFSEFSNKCSEKRWKTSKSAKEKGFEDMAKADKARYEREMKTYIPPKGET 54

```

```

RESULT 6
US-10-718-495-26
; Sequence 26, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
;

```



```
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-28

Query Match      74.0%; Score 214; DB 1; Length 80;
Best Local Similarity 81.2%; Pred. No. 8.6;
Matches 39; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

Qy  2 DASVNFSEFSKNCERWTKMSAKGKGFEDMAKADKTHYERQMTYIP 49
    |||:||||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db  33 DASINFSEFSQKCPWTKTIAKEGKGFEDMPKADKAHYEREMKTYIP 80

RESULT 12
US-10-718-495-30
; Sequence 30, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-30

Query Match      70.2%; Score 203; DB 1; Length 86;
Best Local Similarity 78.4%; Pred. No. 10;
Matches 40; Conservative 2; Mismatches 9; Indels 0; Gaps 0;

Qy  2 DASVNFSEFSKNCERWTKMSAKGKGFEDMAKADKTHYERQMTYIPPKG 52
    |||:||||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db  33 DASVSEFSKNCERWTKMSVKEGKGFEDMAKADKACYEREMKIYPYLGK 83

Search completed: April 26, 2006, 13:12:19
Job time : 0.083333 secs

                                GenCore version 5.1.7
                                Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on:      April 26, 2006, 13:12:17 ; Search time 0.001 Seconds
              (without alignments)
              72.144 Million cell updates/sec

Title:      US-10-718-495-45
Perfect score: 288
Sequence:    1 PDASVNFSEFSKCSERWKA.....VDKADYEREMKTYIPPKGET 54

Scoring table:  BLOSUM62
                Gapop 10.0 , Gapext 0.5

Searched:      12 seqs, 1336 residues

Total number of hits satisfying chosen parameters:      12

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 12 summaries

Database :      US10718495.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result      Query      %      Description
No.      Score      Match      Length      DB      ID
-----
1      288      100.0      54      1      US-10-718-495-45      Sequence 45, Appl
2      274      95.1      188      1      US-10-718-495-26      Sequence 26, Appl
3      268      93.1      54      1      US-10-718-495-43      Sequence 43, Appl
4      268      93.1      216      1      US-10-718-495-24      Sequence 24, Appl
5      250      86.8      54      1      US-10-718-495-44      Sequence 44, Appl
6      250      86.8      211      1      US-10-718-495-25      Sequence 25, Appl
7      241      83.7      54      1      US-10-718-495-47      Sequence 47, Appl
8      236      81.9      54      1      US-10-718-495-46      Sequence 46, Appl
9      236      81.9      205      1      US-10-718-495-27      Sequence 27, Appl
10     227      78.8      80      1      US-10-718-495-29      Sequence 29, Appl
11     208      72.2      80      1      US-10-718-495-28      Sequence 28, Appl
12     203      70.5      86      1      US-10-718-495-30      Sequence 30, Appl

ALIGNMENTS

RESULT 1
US-10-718-495-45
; Sequence 45, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-45

Query Match      100.0%; Score 288; DB 1; Length 54;
Best Local Similarity 100.0%; Pred. No. 0.71;
Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  1 PDASVNFSEFSKCSERWKA...VDKADYEREMKTYIPPKGET 54
    |||:||||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db  1 PDASVNFSEFSKCSERWKA...VDKADYEREMKTYIPPKGET 54

RESULT 2
US-10-718-495-26
; Sequence 26, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
```

```

; LENGTH: 188
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-26

Query Match      95.1%; Score 274; DB 1; Length 188;
Best Local Similarity 96.3%; Pred. No. 1.5;
Matches 52; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 PDASVNFSEFSKCSERWKMSAKDKGKFEDMAKVDKADYEREMKTYIPPKGET 54
|||||
Db 32 PDASVNFSEFSKCSERWKMSAKDKGKFEDMAKVDKADYEREMKTYIPPKGET 85

RESULT 3
US-10-718-495-43
; Sequence 43, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-43

Query Match      93.1%; Score 268; DB 1; Length 54;
Best Local Similarity 92.6%; Pred. No. 2.1;
Matches 50; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 PDASVNFSEFSKCSERWKMSAKDKGKFEDMAKVDKADYEREMKTYIPPKGET 54
|||||
Db 1 PDASVNFSEFSKCSERWKMSAKDKGKFEDMAKVDKADYEREMKTYIPPKGET 54

RESULT 4
US-10-718-495-24
; Sequence 24, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-24

Query Match      93.1%; Score 268; DB 1; Length 216;
Best Local Similarity 92.6%; Pred. No. 2.1;
Matches 50; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 PDASVNFSEFSKCSERWKMSAKDKGKFEDMAKVDKADYEREMKTYIPPKGET 54
|||||
Db 32 PDASVNFSEFSKCSERWKMSAKDKGKFEDMAKVDKADYEREMKTYIPPKGET 85

RESULT 5

```

```

US-10-718-495-44
; Sequence 44, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-44

Query Match      86.8%; Score 250; DB 1; Length 54;
Best Local Similarity 86.8%; Pred. No. 4.9;
Matches 46; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 2 DASVNFSEFSKCSERWKMSAKDKGKFEDMAKVDKADYEREMKTYIPPKGET 54
|||||
Db 2 DASVNFSEFSKCSERWKMSAKDKGKFEDMAKVDKADYEREMKTYIPPKGET 54

RESULT 6
US-10-718-495-25
; Sequence 25, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-25

Query Match      86.8%; Score 250; DB 1; Length 211;
Best Local Similarity 86.8%; Pred. No. 4.9;
Matches 46; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 2 DASVNFSEFSKCSERWKMSAKDKGKFEDMAKVDKADYEREMKTYIPPKGET 54
|||||
Db 33 DASVNFSEFSKCSERWKMSAKDKGKFEDMAKVDKADYEREMKTYIPPKGET 85

RESULT 7
US-10-718-495-47
; Sequence 47, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 54

```



```
; ORGANISM: Homo sapiens
US-10-718-495-30

Query Match      70.5%; Score 203; DB 1; Length 86;
Best Local Similarity 78.4%; Pred. No. 12;
Matches 40; Conservative 2; Mismatches 9; Indels 0; Gaps 0;

Qy  2 DASVNFSEFKKCSERKAMSAKDKGFEDMAKVDKADYEREMKTYIPPKGK 52
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db  33 DASVNFSEFKKCSERKAMSAKDKGFEDMAKVDKADYEREMKTYIPPKGK 83

Search completed: April 26, 2006, 13:12:19
Job time : 0.0833333 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.
```

```
OM protein - protein search, using sw model

Run on:      April 26, 2006, 13:12:17 ; Search time 0.001 Seconds
              (without alignments)
              72.144 Million cell updates/sec

Title:      US-10-718-495-46
Perfect score: 290
Sequence: 1 PDASVNFSEFLKKCSETWKT.....ADKAHYEREMKTYIPPKGK 54

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 12 seqs, 1336 residues

Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 12 summaries

Database : US10718495.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
```

SUMMARIES					
Result No.	Score	Query Match	Length DB ID	Description	
1	290	100.0	54 1 US-10-718-495-46	Sequence 46, Appl	
2	290	100.0	205 1 US-10-718-495-27	Sequence 27, Appl	
3	253	87.2	54 1 US-10-718-495-47	Sequence 47, Appl	
4	249	85.9	54 1 US-10-718-495-43	Sequence 43, Appl	
5	249	85.9	216 1 US-10-718-495-24	Sequence 24, Appl	
6	238	82.1	54 1 US-10-718-495-44	Sequence 44, Appl	
7	238	82.1	211 1 US-10-718-495-25	Sequence 25, Appl	
8	236	81.4	54 1 US-10-718-495-45	Sequence 45, Appl	
9	231	79.7	188 1 US-10-718-495-26	Sequence 26, Appl	
10	225	77.6	80 1 US-10-718-495-28	Sequence 28, Appl	
11	208	71.7	80 1 US-10-718-495-29	Sequence 29, Appl	
12	193	66.6	86 1 US-10-718-495-30	Sequence 30, Appl	

ALIGNMENTS

```
RESULT 1
US-10-718-495-46
```

```
; Sequence 46, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT FILING DATE: 2003-11-12
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-46

Query Match      100.0%; Score 290; DB 1; Length 54;
Best Local Similarity 100.0%; Pred. No. 0.36;
Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  1 PDASVNFSEFLKKCSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGK 54
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db  1 PDASVNFSEFLKKCSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGK 54

RESULT 2
US-10-718-495-27
; Sequence 27, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT FILING DATE: 2003-11-12
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-27

Query Match      100.0%; Score 290; DB 1; Length 205;
Best Local Similarity 100.0%; Pred. No. 0.36;
Matches 54; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  1 PDASVNFSEFLKKCSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGK 54
Db  32 PDASVNFSEFLKKCSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGK 85

RESULT 3
US-10-718-495-47
; Sequence 47, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT FILING DATE: 2003-11-12
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 54
; TYPE: PRT
```


Searched: 12 seqs, 1336 residues
Total number of hits satisfying chosen parameters: 12
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 12 summaries
Database : US10718495.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	293	100.0	54	1 US-10-718-495-47	Sequence 47, Appl
2	260	88.7	80	1 US-10-718-495-28	Sequence 28, Appl
3	254	86.7	54	1 US-10-718-495-43	Sequence 43, Appl
4	254	86.7	216	1 US-10-718-495-24	Sequence 24, Appl
5	253	86.3	54	1 US-10-718-495-46	Sequence 46, Appl
6	253	86.3	205	1 US-10-718-495-27	Sequence 27, Appl
7	247	84.3	54	1 US-10-718-495-44	Sequence 44, Appl
8	247	84.3	211	1 US-10-718-495-25	Sequence 25, Appl
9	241	82.3	54	1 US-10-718-495-45	Sequence 45, Appl
10	236	80.5	188	1 US-10-718-495-26	Sequence 26, Appl
11	217	74.1	80	1 US-10-718-495-29	Sequence 29, Appl
12	187	63.8	86	1 US-10-718-495-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1
US-10-718-495-47
; Sequence 47, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-47
Query Match 100.0%; Score 293; DB 1; Length 54;
Best Local Similarity 100.0%; Pred. No. 0.37; Mismatches 0; Indels 0; Gaps 0;
Matches 54; Conservative 0;
Qy 1 PDASINFSEFSQKCPETWKTITIAKEKGKGFEDMAKADKAHYEREMKTYIPPKGET 54
Db 1 PDASINFSEFSQKCPETWKTITIAKEKGKGFEDMAKADKAHYEREMKTYIPPKGET 54
RESULT 2
US-10-718-495-28
; Sequence 28, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 80
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-28
Query Match 88.7%; Score 260; DB 1; Length 80;
Best Local Similarity 98.0%; Pred. No. 3.1; Mismatches 1; Indels 0; Gaps 0;
Matches 48; Conservative 0;
Qy 1 PDASINFSEFSQKCPETWKTITIAKEKGKGFEDMAKADKAHYEREMKTYIP 49
Db 32 PDASINFSEFSQKCPETWKTITIAKEKGKGFEDMPKADKAHYEREMKTYIP 80
RESULT 3
US-10-718-495-43
; Sequence 43, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-43
Query Match 86.7%; Score 254; DB 1; Length 54;
Best Local Similarity 87.0%; Pred. No. 4.3; Mismatches 2; Indels 5; Gaps 0;
Matches 47; Conservative 2;
Qy 1 PDASINFSEFSQKCPETWKTITIAKEKGKGFEDMAKADKAHYEREMKTYIPPKGET 54
Db 1 PDASINFSEFSQKCPETWKTITIAKEKGKGFEDMAKADKAHYEREMKTYIPPKGET 54
RESULT 4
US-10-718-495-24
; Sequence 24, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-24

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Query Match      86.7%; Score 254; DB 1; Length 216;
Best Local Similarity 87.0%; Pred. No. 4.3;
Matches 47; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 PDASINFSEFSQKCPETWKTITIAKEKGKGFEDMAKADKAHYEREMKTYIPPKGET 54
    ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 32 PDASVNFSEFLKCKSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGET 85

RESULT 5
US-10-718-495-46
; Sequence 46, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: US/10/718,495
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-46

Query Match      86.3%; Score 253; DB 1; Length 54;
Best Local Similarity 86.8%; Pred. No. 4.5;
Matches 46; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 PDASINFSEFSQKCPETWKTITIAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 53
    ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 1 PDASVNFSEFLKCKSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 53

RESULT 6
US-10-718-495-27
; Sequence 27, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: US/10/718,495
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 205
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-27

Query Match      86.3%; Score 253; DB 1; Length 205;
Best Local Similarity 86.8%; Pred. No. 4.5;
Matches 46; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 PDASINFSEFSQKCPETWKTITIAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 53
    ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 32 PDASVNFSEFLKCKSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGE 84

RESULT 7
US-10-718-495-44
; Sequence 44, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.

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; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-44

Query Match      84.3%; Score 247; DB 1; Length 54;
Best Local Similarity 84.9%; Pred. No. 6;
Matches 45; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 2 DASINFSEFSQKCPETWKTITIAKEKGKGFEDMAKADKAHYEREMKTYIPPKGET 54
    ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 2 DASVNFSEFLKCKSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGET 54

RESULT 8
US-10-718-495-25
; Sequence 25, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-25

Query Match      84.3%; Score 247; DB 1; Length 211;
Best Local Similarity 84.9%; Pred. No. 6;
Matches 45; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 2 DASINFSEFSQKCPETWKTITIAKEKGKGFEDMAKADKAHYEREMKTYIPPKGET 54
    ||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:||||:
Db 33 DASVNFSEFLKCKSETWKTIFAKEKGKGFEDMAKADKAHYEREMKTYIPPKGET 85

RESULT 9
US-10-718-495-45
; Sequence 45, Application US/10718495
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 54
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-45

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